

**Brookhaven National Laboratory
RADIOLOGICAL WORK PERMIT**

RWP # 06-02

Start Date: 08-01-06

Job Specific

Q Standing /General

End Date: 07-31-07

(Shaded areas 1 through 8 to be completed by requestor/initiator)

Revised End Date:

1. Initiator: Raymond Karol	2. Life #:15065	3. Phone: 5272	4. Bldg: 911A
5. Job Location(s): Posted High Radiation Primary Beam Areas: Bldg. 930 LINAC Tunnel (Excluding the BLIP Beam Line), Building 942 (Booster Ring), Building 913 (AGS Ring), Building 956 (NSRL stub tunnel) and ATR.			
6. Job Description (Attach sheets as needed): <i>Routine Entry for Inspections, Data Collection, Tours, and Routine Work Activities Performed by a System Specialist.</i>			
7. Historical/Other Concerns: Exposure Rates > 1 R/hr may exist Following Operations with High Intensity Protons at Various Limiting Apertures (e.g., E20, F5, F10, J10, and L20 in the AGS Ring, and at C5, F5, and F6 in the Booster Ring).			
9. Conditions that will void RWP: None			
10. Job Review: # Pre-Job Review Q Pre-Job Briefing Q ALARA Review Q Summary/Closeout Work Control Coordinator to consult with Building Manager and/or Supervisor when assigning tasks. All work performed in Radiation Fields > 100 mRem/hr, notify Health Physics x-4660.	11. Estimated Dose: Highest Individual: <u>20</u> mRem Q Per Job # Per Entry Collective: <u>700</u> mRem # RWP Total Q Per Entry	12. Attachments: # Radiological Survey Form Posted at entrance to area Q Technical Work Document # Other: <u>Pre-Job Review</u> <u>C-A OPM-ATT 9.5.11</u> <u>See SI (1)</u>	13. Training Requirements: # Radiation Worker I (RWT 002) Q Contamination (RWT 300, 300A) Q Benchtop/Dispersibles (RWT 500) Q Benchtop/Dispersible (RWT 500) # Other: <u>C-A Access</u> <u>See SI (2)</u>
14. Work Controls: # Facility Support Coverage <p style="text-align: center;">See SI (3)</p> Q Intermittent Q Continuous # Hold Points See SI (4) Q Air Monitoring Q Shielding # Other: See SI (5)	15. Protective Equipment: Q Gloves Q Shoe Covers Q Coveralls Q Head Cover Q Red Trim Lab Coat Q Respirator Q Other: # Not Applicable	16. Dosimetry: # TLD # Self Reading Dosimeter # Digital # Alarming Dosimeter (Dose Alarm Setpoint = 18 mrem)	17. Check Out Instructions: Q Bioassay Q Whole Body Count Q Urine Sample Q Pre-Job Q Post-Job Q Contamination Check Q Personnel Frisk Q PCM # Activation check An Activation Check is Required for All Materials Removed From These Primary Beam Areas (Linac Tunnel, Booster Ring, and AGS Ring and NSRL tunnel). <u>Read and Follow All Radiological Postings.</u>
18. Special Instructions (SI): (Including Facility Specific Training) (1) Follow Guidance in OPM 9.5.11, C-A Procedure for Entry to Posted High Radiation Areas. (2) A trained and authorized C-A escort in accordance with C-A OPM 2.16 may escort visitors. (3) When work is to be performed in Radiation Fields > 100 mR hr ⁻¹ , notify Health Physics prior to entry. Only one notification per job is required. (4) Hold Point #1: No single entry shall result in more than 20 mR per person. Multiple entries for one job shall be planned so that they do not result in greater than 20 mR per person or a Job-Specific RWP is required. Hold Point #2: This RWP is not for work in Radiation Fields > 1000 mR hr ⁻¹ , in posted Contamination Areas, work with the potential to disperse or generate radioactive contamination such as cutting, grinding and drilling and handling or exposure to tritiated water, or unapproved alterations of radiation barriers. (5) Review appropriate radiological survey prior to commencing work.			
19. Signatures Approvals: (Signatures on File)	Department	Life Number	Date
Facility Support Representative or Designee: Paul Bergh	RCD	19773	
Other (Department Specific): Edward T. Lessard	C-A	14255	
20. Close-Out Signature (FS Representative):			